## OIPE

PAGE:

## RAW SEQUENCE LISTING PATENT APPLICATION US/09/492,590

DATE: 02/15/2000

TIME: 14:03:37

Input Set: 1492590.RAW

29

This Raw Listing contains the General Information Section and up to first 5 pages.

```
1
        <110> APPLICANT: Stratagene
        <120> TITLE OF INVENTION: Methods and Compositions for High Level Expression of a
    2
    3
              Heterologous Protein with Poor Codon Usage
        <130> FILE REFERENCE: Stratagene tRNA
        <140> CURRENT APPLICATION NUMBER: US/09/492,590
    5
       <141> CURRENT FILING DATE: 2000-01-27
       <160> NUMBER OF SEQ ID NOS: 13
    7
       <170> SOFTWARE: PatentIn Ver. 2.1
       <210> SEQ ID NO 1
   9
  10
       <211> LENGTH: 29
       <212> TYPE: DNA
  11
       <213> ORGANISM: Artificial Sequence
  12
  13
       <220> FEATURE:
       <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
  14
  15
  16
       <400> SEQUENCE: 1
  17
             gacactagta atcagacgcg gtcgttcac
  18
       <210> SEQ ID NO 2
                                                                                 29
       <211> LENGTH: 32
  19
 20
       <212> TYPE: DNA
      <213> ORGANISM: Artificial Sequence
 21
 22
      <220> FEATURE:
      <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
 23
 24
 25
      <400> SEQUENCE: 2
 26
            gacgacgaca agaatcagac gcggtcgttc ac
      <210> SEQ ID NO 3
 27
                                                                                32
 28
      <211> LENGTH: 29
      <212> TYPE: DNA
 29
      <213> ORGANISM: Artificial Sequence
 30
 31
      <220> FEATURE:
      <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
32
33
34
     <400> SEQUENCE: 3
35
           ctgccatggt ggaggatata aagaaggcg
36
     <210> SEQ ID NO 4
                                                                               29
37
     <211> LENGTH: 29
38
     <212> TYPE: DNA
     <213> ORGANISM: Artificial Sequence
39
40
     <220> FEATURE:
     <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
41
42
43
     <400> SEQUENCE: 4
44
           cagccatggc cttgaaatgg cgttagtca
```

PAGE: 2 RAW SEQUENCE LISTING PATENT APPLICATION US/09/492,590 DATE: 02/15/2000 TIME: 14:03:37 Input Set: 1492590.RAW 45 <210> SEQ ID NO 5 <211> LENGTH: 29 46 47 <212> TYPE: DNA <213> ORGANISM: Artificial Sequence 48 49 <220> FEATURE: <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for 50 51 52 <400> SEQUENCE: 5 53 gacactagtc cttgaaatgg cgttagtca 54 <210> SEQ ID NO 6 29 55 <211> LENGTH: 29 56 <212> TYPE: DNA <213> ORGANISM: Artificial Sequence 57 58 <220> FEATURE: <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for 59 61 <400> SEQUENCE: 6 cagtctagat catcatgttt attgcgtgg 62 <210> SEQ ID NO 7 63 29 64 <211> LENGTH: 29 65 <212> TYPE: DNA <213> ORGANISM: Artificial Sequence 66 67 <220> FEATURE: <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for 68 69 70 <400> SEQUENCE: 7 71 gacctcgagt catcatgttt attgcgtgg 72 <210> SEQ ID NO 8 29 73 <211> LENGTH: 29 74 <212> TYPE: DNA <213> ORGANISM: Artificial Sequence 75 76 <220> FEATURE: <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for 77 78 79 <400> SEQUENCE: 8 80 cagtetagag aatecegteg tagecacea 81 <210> SEQ ID NO 9 29 82 <211> LENGTH: 30 83 <212> TYPE: DNA 84 <213> ORGANISM: Artificial Sequence 85 <220> FEATURE: <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for 86 87 88 <400> SEQUENCE: 9 89 gacctcgagg gcatccgatc aacgctttct 90 <210> SEQ ID NO 10 30 91 <211> LENGTH: 29 92 <212> TYPE: DNA <213> ORGANISM: Artificial Sequence 93 <220> FEATURE:

## OIPE

:		3	RAW SEQUENCE LISTING DATE: PATENT APPLICATION US/09/492,590 TIME:	02/15/2000 14:03:37
	Input Set: I492590.RAW			2590.RAW
	95	<223>	OTHER INFORMATION: Description of Artificial Sequence: PCR prime	_
	96		E. coli proL gene	r for
	97	<400>	SEQUENCE: 10	
	98		gacgtcgacg tgctgacaga cgagaagcg	29
	99		SEQ ID NO 11	29
	100		LENGTH: 29	
	101		TYPE: DNA	
	102	<213>	ORGANISM: Artificial Sequence	
	103		FEATURE:	
	104	<223>	OTHER INFORMATION: Description of Artificial Sequence: PCR prime	r for
	105		E. COII prol gene	L LOI
	106	<400>	SEQUENCE: 11	
	107		gacctcgagg gtgtggtctg gacgttctg	29
	108		SEQ ID NO 12	2,7
	109		LENGTH: 29	
	110		TYPE: DNA	
	111	<213>	ORGANISM: Artificial Sequence	
	112		FEATURE:	
	L13	<223>	OTHER INFORMATION: Description of Artificial Sequence: PCR primer	for
	114		E. COII glyU gene	. 101
	115	<400>	SEQUENCE: 12	
	.16		ctgccatggg gcacttgcta aggagagcg	29
	.17		SEQ ID NO 13	23
	.18		LENGTH: 33	
	.19		TYPE: DNA	
	.20	<213>	ORGANISM: Artificial Sequence	
	21		FEATURE:	
	.22	<223>	OTHER INFORMATION: Description of Artificial Sequence: PCR primer	for
	23		E. COII GIYU Gene	TOT
	24		SEQUENCE: 13	
1	25		ggaacaagag ggcgtgtttt cctgggttgt tac	33

PAGE: 3

PAGE: 4

VERIFICATION SUMMARY DATE: 02/15/2000 PATENT APPLICATION US/09/492,590 TIME: 14:03:37 VERIFICATION SUMMARY

Input Set: I492590.RAW

Line ? Error/Warning

Original Text